

### **REMARKS**

Claims 1-6 and 8-10 are pending herein. Claims 7 and 11-14 were cancelled previously without prejudice or disclaimer.

Claims 1-2, 4, 6 and 8-10 were rejected under 35 U.S.C. §102(b) over Schroeter (U.S. Patent 2,980,535) and Claims 1-6 and 8-10 were rejected under 35 U.S.C. §103(a) over Schroeter. For the reasons discussed below, it is respectfully submitted that Claims 1-6 and 8-10 are neither anticipated by nor obvious over Schroeter.

As amended, the claims are now directed to an antenna polymer comprising a polymeric backbone of a biodegradable water soluble polymer, and photoactive groups chemically bonded to the polymeric backbone, wherein the photoactive groups are no more than two fused ring aromatic groups.

Schroeter is directed to light sensitive films of synthetic materials. The film includes a film forming polymeric material having chemically joined thereto radicals containing at least three coordinately connected carbocyclic or heterocyclic six-membered rings. (See Column 1, lines 64-70, Column 2, lines 23-43, Column 3, lines 24-33 and 58-60, and Column 4, lines 17-21 of Schroeter.) In other words, Schroeter requires linking an organic compound having at least three ortho-condensed six-membered rings with a polymer chain. In contrast, in the claimed invention the photoactive groups are no more than two fused ring aromatic groups.

Moreover, it is respectfully submitted that by requiring the use of a polymer containing at least three ortho-condensed six-membered rings, Schroeter teaches away from the claimed invention wherein no more than two fused ring aromatic groups are used.

Finally, it is respectfully submitted that Schroeter polymers are neither antenna polymers nor are water-soluble polymers, as the polymer of the present invention.

In view of the above, it is respectfully submitted that the claimed antenna polymer is neither anticipated by nor obvious over Schroeter. Accordingly, it is respectfully requested that the rejections of Claims 1-6 and 8-10 over Schroeter be withdrawn.

### **CONCLUSION**

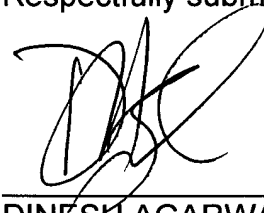
For the foregoing reasons, it is respectfully submitted that Claims 1-6 and 8-10 are in condition for allowance. Withdrawal of all the rejections and allowance of these claims are respectfully solicited.

It is believed that no additional fee is due for this submission. However, should that determination be incorrect, the Commissioner is hereby authorized to charge any deficiencies, or credit any overpayment, to our Deposit Account No. 01-0433, and notify the undersigned in due course.

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Amendment dated December 8, 2006  
Reply to Office Action of July 11, 2006

Should the Examiner have any questions or wish to discuss further this matter, please contact the undersigned at the telephone number provided below.

Respectfully submitted,

A handwritten signature in black ink, appearing to be 'DAGARWAL', written over a horizontal line.

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